

DIALOG(R)File 351:DERWENT WPI  
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Agent \*\*\*masking\*\*\* \*\*\*unpleasant\*\*\* \*\*\*taste\*\*\* of medicine - comprises unpleasant tasting medicine, hydrophobic agent, surfactant and water transporting agent

Patent Assignee: EISAI CO LTD (EISA )

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JP 7242568 A 19950919 JP 9458272 A 19940304 A61K-047/44 199546 B

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JP 7242568 A 4

Abstract (Basic): JP 7242568 A

Compsns. composed of (1) an unpleasant tasting medicine, (2) a hydrophobic agent having m.pt. 45-90 deg. C, (3) a surfactant, and (4) a water transporting agent, and their spray-dried particle preps. are used for pharmaceutical preps.

Cpds. (1) are mixed with a hydrophobic agent (2) (e.g. was, \*\*\*fat\*\*\*, higher fatty acid triglycerides, higher fatty acid and higher alcohols), (3) a surfactant (e.g. esters of higher \*\*\*fatty\*\*\* acids, polyoxyethylene \*\*\*hydrogenated\*\*\* castor \*\*\*oil\*\*\* and Na laurylsulphate) and cpds.), (4) a water transporting agent of water soluble or dispersible cpds. (e.g. hydroxypropylcellulose, CMC and partial alpha-starch) at ratios of (1):(2):(3):(4) = 1-50:25-90:5-35:5-35%, pref. 1-40:40-80:10-30:10-30%, more pref. 1-30:50-80:10-30:10-20%, respectively. The resultant compsn. are spray dried to give particles for granular, particle, powder and dry syrup preps.

USE/ADVANTAGE - Pharmaceutical preps. without unpleasant taste. Oral medicines can be administered smoothly.

In an example, a mixt. of 15 pts. wt. of \*\*\*hydrogenated\*\*\* castor \*\*\*oil\*\*\* and 10 pts. wt. of a sugar ester was melted on a water bath and 10 pts. wt. of ticlopidine HCl and 5 pts. wt. of hydroxypropyl cellulose were homogeneously dispersed. The dispersed mixt. was spray dried to give a particle prepn.

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Derwent Class: A96; B05

International Patent Class (Main): A61K-047/44

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